



# 100W WATERPROOF LED POWER SUPPLY SINGLE OUTPUT

SIZE  
L:220mm  
W:52 mm  
H:32mm



## ■Features

- AC input: 176-264V
- Protection: short-circuit, overload, over voltage, over temperature
- 100% full-load aging test
- 300VAC surge for 5 seconds withstandable
- Working temperature up to 60℃
- 5G vibration tested
- High efficiency, long life span, and high reliability, low cost
- IP67 grade
- 2 years warranty

## ■Application

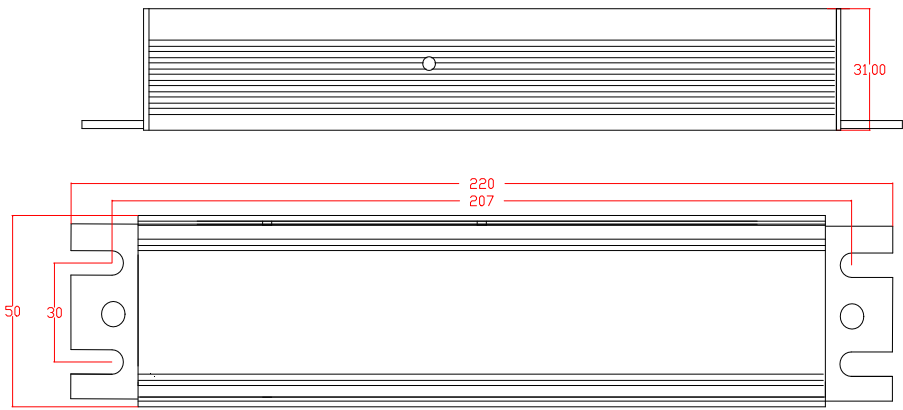
- \*Industrial automation machinery
- \*industrial control system
- \*LED lighting
- \*Mechanical and electrical equipment
- \*Electronic instruments, equipments or apparatus



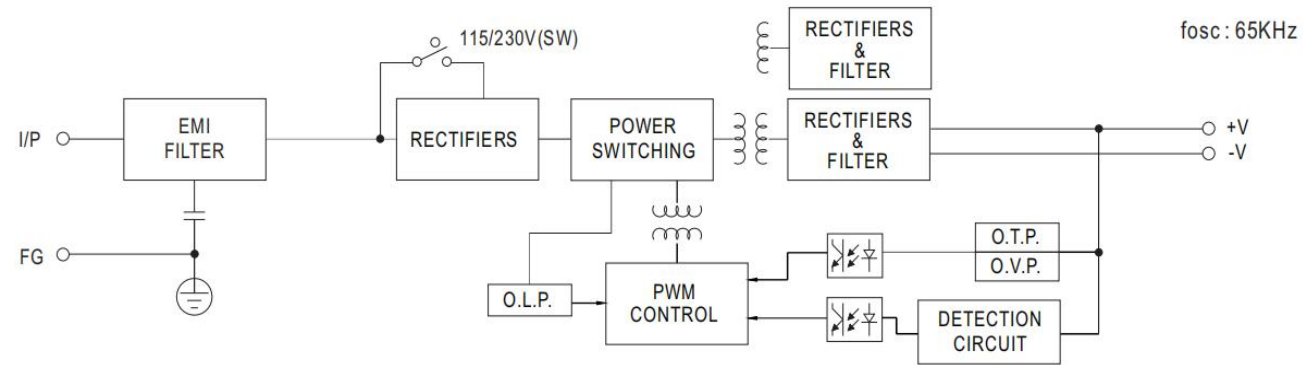
## Specifications

Product No.		WPS-100-12	WPS-100-24
Output	DC voltage	12V	24V
	Rated Current	8.3A	4.2A
	Current Range	0-10A	0-4.2A
	Rated Power	100W	100W
	Ripple and Noise(Max)Note.2	300mVp-p	350mVp-p
	Voltage adjustment	12±0.5V	24±0.5V
	Voltage Accuracy Note3	±3%	±3%
	Linear Adjustment Note4	±0.5%	±0.5%
	Load Adjustment Note5	±2%	1.50%
	Start and rise time	1000ms,30ms/230VAC 1000ms,30ms/176V	
Hold time (Typ)	50ms/230VAC 10ms/115AC		
Input	Voltage range	176-264VAC	
	Frequency range	47-63HZ	
	Efficiency (Typ)	82%	84%
	AC current (Typ)	1.24A/170V 1.08A/220V	
	Surge current (Typ)	Cold Start: 65A/230VAC	
	Current leak	<2mA/240VAC	
Protection	Overload	Larger than 105% of capacity	
		restoration after abnormity removed	
	Overheat	Overheat protection starts when temperature in transistor over 140℃	
		Automatic restoration when temperature is back normal	
Environment	Working temp.	-20~+60℃ (Refer to the tenuation curve)	
	Working humidity	20~90% RH, without condense	
	Storage temp & hmdty	-40~+80℃	
	Temp. coefficient	±0.03%/℃ (0~50℃)	
	Vibration proof	10~500HZ,5G 10min / cycle, X、Y、Z axes 60 min each	
	Safety regulation	GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD)	
Safety reg. & EMC (Note.6)	Voltage proof	I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	insulation resistance	I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70% RH	
	EMC irradiation	EN 55032:2015+A11:2020;EN IEC61000-3-2:2019	
	EMC disturbance proof	EN61000-3-3:2013+A1:2019	
	Dimensions	220*50*30(L*W*H)	
	Packing	1.22Kg	
Notes:	1. Unless specially indicated, all data are taken under 230VAC input, rated load and 25℃ environment temp. 2.Ripple and noise: measured with a 12" double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor on 20MHz bandwidth. 3.Accuracy: including preset errors, linear adjustment rate and load adjustment rate. 4.Linear adjustment: taken under rated load from low voltage to high voltage. 5.Load adjustment: taken under 0~100% of rated load. 6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EMC.		

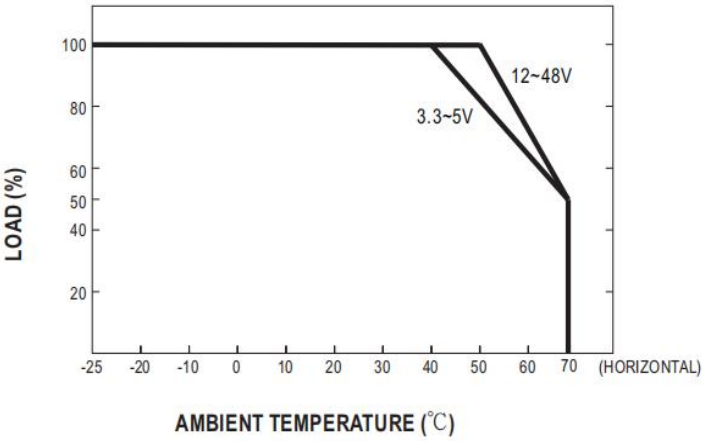
■Appearance



■Frame diagram



■Tenuation curve



■Static property curve

